



Arizona
CHAPTER

1st Annual Cardiovascular Team Conference



Course Description



Objective

This two-day conference in collaboration by Mayo Clinic and the Arizona Chapter of the American College of Cardiology will focus on cardiovascular diagnosis and disease management for the advanced practice providers (APPs). This program will explore evidence-based practices in the treatment and management of cardiac disease prevention, dysrhythmias, advanced heart failure, interventional cardiology, structural heart disease, and adult congenital heart disease. Participants will have the opportunity to apply these concepts through hands-on practice in interdisciplinary breakout sessions. Networking opportunities will be provided to discuss practice issues and to help transition novice cardiovascular APPs in their subspecialty fields.

Goals

- Discuss the role development of advanced practice providers on cardiovascular subspecialty teams
- Assess primary and secondary cardiac prevention practices based on current guidelines
- Select chronic and acute heart failure management strategies
- Differentiate between antithrombotic management strategies for atrial fibrillation and ACS
- Identify key features in the assessment of adult congenital heart disease
- Perform focused cardiac handheld ultrasound to assess key cardiac findings
- Recognize clinical significance of pacemaker interrogation finding in relation to patient symptoms

Location

Mayo Clinic Hospital in Arizona
Juanita Waugh Education Center, 5777 E. Mayo Blvd. Phoenix, AZ 85054
March 11-12, 2017

Target Audience

Nurse practitioners, physician assistants, nurse practitioner and physician assistant fellows, registered nurses, and pharmacists.

Registration

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| \$175 | non-ACC member | (\$100/day) |
| \$125 | ACC member | (\$75/day) |
| \$75 | *current student/fellow | (\$50/day) |

**Required to submit confirmation letter from Program Director at registration*

Course Director

Marci Farquhar-Snow C.N.P. A.A.C.C.
Program Director, Cardiology Nurse Practitioner Fellowship
Mayo Clinic in Arizona

Faculty

Victor Abrich M.D.
Mayo Clinic in Arizona
Phoenix, AZ

Michelle Alland C.N.P.
Mayo Clinic in Arizona
Phoenix, AZ

Heather Andrus R.C.D.S.
Mayo Clinic in Arizona
Phoenix, AZ

Sarah Benak C.N.P.
Mayo Clinic Rochester
Rochester, MN

Eva Boldea A.C.N.S-B.C.
Mayo Clinic in Arizona
Phoenix, AZ

Christian Breburda M.D. Ph.D. F.A.C.C.
Maricopa Medical Center
Phoenix, AZ

Norria Brice C.N. P.
Northern Arizona University
Flagstaff, AZ

Santosh Desai D. O.
Mayo Clinic in Arizona
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Jeff Dobberpuhl R.N.
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Lisa Ellmauer R.D.C.S
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Robert Fisher R. N.
Mayo Clinic in Arizona
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Jennifer Garrow C.N.P.
American Heart Association,
San Diego, CA
San Diego Cardiovascular Associates
Encinitas, CA

Sharon Gregoire C.N.P.
University of Arizona Sarver Heart Center
Tucson, AZ

Cristina Joseph C.N. P.
Mayo Clinic in Florida
Jacksonville, FL

Kwan S.Lee M.D. F.A.C.C.
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Tucson, AZ

Lisa LeMond M.D. F.A.C.C.
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Phoenix, AZ

Kathryn Lew C.N. P.
Mayo Clinic in Arizona
Phoenix, AZ
Tabitha Moe M.D. F.A.C.C.

Phoenix Children's Hospital Heart Center
Phoenix, AZ

Sharon Morgan C.N.P
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Tucson, AZ

Ronald Ordas C.N.P.
Cardiovascular Institute
Scottsdale AZ

Tamara Redden C.N.P.
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Linda Staley C.N.P.
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Jenise Stephens Pharm.D
Mayo Clinic in Arizona
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Christen Waddell C.N.P.
Mayo Clinic in Arizona
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Ryan Van Woerkom M.D.
Mayo Clinic in Arizona
Phoenix, AZ
Rita Von Seggern C.N.P.
University of Virginia Charlottesville
Charlottesville, VA

Course Outline

This two-day conference will provide didactic and opportunity for 2 breakout sessions to allow learners to practice skills and to network with other cardiovascular team members. Application will be made for 12 continuing nursing education (CNE).

Day 1 – March 11, 2017

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| 0700-0730 | Breakfast / Exhibits / Poster Setup |
| 0730-0745 | Welcome and Overview (15 min.) <ul style="list-style-type: none"><input type="checkbox"/> Overview of conference goals and objectives – <i>Marci Farquhar-Snow C.N.P. A.A.C.C.</i><input type="checkbox"/> Interdisciplinary Perspective on the Value of the Cardiovascular Team – <i>Christian Breburda M.D. Ph.D. F.A.C.C.</i> |
| 0745-0845 | Cardiovascular Legislative Issues (60 min.) – moderator <i>Marci Farquhar-Snow C.N.P.</i> <ul style="list-style-type: none"><input type="checkbox"/> The MACRA Effect on Cardiovascular Practice - <i>Christian Breburda M.D. Ph.D. F.A.C.C.</i> (25 min) Objectives: 1) 2)<input type="checkbox"/> Cardiovascular Issues on Capitol Hill - <i>Santosh Desai D.O.</i>(25 min) Objectives: 1) Identify key legislative issues facing cardiovascular providers 2) Discuss how to get involved with the legislative process on a local and national level<input type="checkbox"/> Questions/Answers (10 min.) |

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| 0845-0945 | <p>Cardiac Health and Performance (60 min) – moderator <i>Jennifer Garrow C.N.P.</i></p> <p><input type="checkbox"/> Putting Hypertension Guidelines into Practice – <i>Kathryn Lew C.N.P.</i> (25 min.) Objectives: 1) Evaluate hypertension (HTN) effects on comorbidities 2) Formulate HTN management strategies based on current evidence</p> <p><input type="checkbox"/> Acute Coronary Syndrome Presentation in the Native Americans in Northern Arizona - <i>Norria Brice C.N.P.</i> (25 min.) Objectives: 1) Describe the risk factors associated with heart disease in the Native Americans 2) Formulate patient education methods to teach sign and symptoms of ACS</p> <p><input type="checkbox"/> Questions/Answers (10 min.)</p> |
| 0945-1000 | <p>Break / Exhibits / Posters (Poster voting tickets available)</p> |
| 1000-1100 | <p>Electrophysiology – moderator <i>Jennifer Garrow C.N.P.</i></p> <p><input type="checkbox"/> Approach to Symptomatic Persistent Atrial Fibrillation – <i>Victor Abrich M.D.</i> (25 min.) Objectives: 1) Discuss medical therapy options for persistent AF 2) Discuss ablation strategies for persistent AF</p> <p><input type="checkbox"/> A Case-Based Approach to Stroke Prevention in Atrial Fibrillation – <i>Sarah Benak C.N.P.</i> Objectives: 1) Identify the population at risk for atrial fibrillation-related stroke. 2) Use evidence to select appropriate stroke risk reduction strategies for patients with atrial fibrillation.</p> <p><input type="checkbox"/> Questions/Answers (10 min.)</p> |
| 1100-1200 | <p><input type="checkbox"/> Poster Sessions/ Exhibits / Lunch (60 min.) (vote for top three at Exhibit booths)</p> <p><input type="checkbox"/> Cardiovascular Clinical Practice/Case Studies Objectives: 1) Assess key diagnostic findings to clinical situations 2) Develop clinical management plan that involves the interprofessional cardiovascular team</p> <p><input type="checkbox"/> Cardiovascular Outcomes Studies/Research Objectives: 1) Correlate key diagnostic findings to clinical situations 2) Analyze clinical management strategies in relation to evidence based practices NP/PA resident/fellow presentations</p> |
| 1230-1330 | <p><input type="checkbox"/> Lunch / Networking / Exhibits (60 min.) (vote for top three at Exhibit booths)</p> <p>(Optional groups)</p> <p><input type="checkbox"/> Group 1: Nurse Practitioner Fellowship Development: Curriculum, Design and Outcomes – moderator: <i>Marci Farquhar-Snow C.N.P. A.A.C.C.</i></p> <p><input type="checkbox"/> Group 2: Clinical Practice – moderator: <i>Michelle Alland C.N.P.</i></p> <p><input type="checkbox"/> Group 3: Research/Outcomes/Capstones Studies – moderators: <i>Christen Waddell C.N.P.</i></p> |
| 1330-1530 | <p><input type="checkbox"/> Breakout Session Workgroups (120 min) (Choose one option; opportunity for another option on Day 2)</p> <p>A. Focused Cardiac Ultrasound Presenter: <i>Ryan Van Woerkom M.D./Heather Andrus R.C.D.S.</i> Objectives: 1) Identify key cardiac findings using handheld ultrasound 2) Perform hands-on technique of cardiac ultrasound to identify fluid status, pericardial effusion and left ventricular function</p> <p>B. Heart Failure and Ventricular Assist Devices Presenter: <i>Lisa LeMond M.D. F.A.C.C.</i> Objectives: 1) 2)</p> <p>C. Pacemaker Interesting Cases Presenter: <i>Robert Fisher R.N.</i> Objectives: 1) Identify key pacemaker interrogation findings 2) Evaluate pacemaker findings in relation to clinical situations through case studies</p> |
| 1530-1545 | <p>Day 1 Overview - Take Home Points - <i>Marci Farquhar-Snow C.N.P. A.A.C.C.</i></p> <p><input type="checkbox"/> Networking Lunch Group Discussions</p> <p><input type="checkbox"/> Poster Presentation winners announced</p> <p><input type="checkbox"/> Evaluations</p> <p><input type="checkbox"/> Adjourn</p> |

Day 2 – March 12, 2017

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| 0700-0730 | Breakfast / Networking/ Exhibits (30 min.) |
| 0730-0830 | <p>Adult Congenital Heart Disease – moderator: <i>Cristina Joseph C.N.P.</i> (60 min.)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Key adult congenital heart management issues - <i>Tabitha Moe M.D. F.A.C.C.</i> (25 min.) <p>Objectives:</p> <ol style="list-style-type: none"> 1) Common presentations of uncommon problems in congenital heart disease 2) Defining the role of the adult congenital heart disease specialist in modern adult cardiology <ul style="list-style-type: none"> <input type="checkbox"/> Conduction Diseases in Patients with ACHD: Ebstein's Abnormality – <i>Cristina Joseph C.N.P.</i> <p>Objectives:</p> <ol style="list-style-type: none"> 1) Discuss the pathophysiology of Ebstein's abnormality and the common surgical interventions for the disorder 2) Discuss the common arrhythmia concerns with Ebstein's abnormality <p>Questions/Answers (10 min.)</p> |
| 0830-0930 | <p>Advanced Heart Failure – moderator: <i>Jennifer Garrow C.N.P.</i> (60 min.)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Indications for Ventricular Assist Devices (VAD) – <i>Linda Staley C.N.P.</i> (25 min.) <p>Objectives:</p> <ol style="list-style-type: none"> 1) Describe the NYHA/Stages of heart failure 2) Discuss what is a VAD 2) Identify when to refer for VAD placement 3) Evaluate the optimal candidate for VAD placement 4) Illustrate referrals for VAD implantation and post-management using case studies <p>Important Considerations in LVAD Home Management – <i>Eva Boldea A.C.N.S-BC.</i> (25 min.)</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1) Review the basic requirements for a safe transition to home 2) Review the home services and support needed to fully recover from LVAD surgery <p>Questions/Answers (10min)</p> |
| 0930-0945 | Break / Exhibits (voting tickets available) |
| 0945-1045 | <p>Complex Advanced Heart Failure Case Studies – moderator: <i>Sharon Gregoire C.N.P.</i> (60 min.)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Cardiac Transplant Pharmacology – <i>Jenise Stephens Pharm.D</i> (25 min.) <p>Objectives:</p> <ol style="list-style-type: none"> 1) Review types of immunosuppression used to prevent rejection in Solid Organ Transplantation (SOT). 2) Discuss alternative immunosuppressive strategies in SOT recipients. <ul style="list-style-type: none"> <input type="checkbox"/> Ventricular Assist Devices- <i>Rita Von Seggern C.N.P.</i> (25 min.) <p>Objectives:</p> <ol style="list-style-type: none"> 1) Integrate hemodynamics and physiological monitoring in the management of patients with advanced heart failure. 2) Identify clinical indications and management strategies for patients requiring mechanical circulatory support. <p>Questions/Answers (10min)</p> |
| 1045-1145 | <p>Interventional Cardiology – moderator: <i>Sharon Morgan C.N.P.</i> (60 min.)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Dual Antiplatelet Therapy - <i>Kwan Lee M.D. F.A.C.C.</i> (25 min.) <p>Objectives:</p> <ol style="list-style-type: none"> 1) Describe the differences between P2Y₁₂ oral inhibitors 2) Differentiate between DAPT duration after PCI based on stent type 3) Analyze the influence of DAPT duration based on stable or acute presentation 4) Calculate a DAPT score <ul style="list-style-type: none"> <input type="checkbox"/> Carotid Artery Disease Management - <i>Ronald Ordas C.N.P.</i> (25 min.) <p>Objectives:</p> <ol style="list-style-type: none"> 1) Discuss diagnosis and management of symptomatic carotid artery stenosis 2) Evaluate treatment options for carotid artery stenosis including medical management and interventional management <p>Questions/Answers (10 min.)</p> |
| 1145-1245 | <p>Oral Research and Clinical Practice/Case Studies moderator - <i>Michelle Alland C.N.P/ Christen Waddell C.N.P.</i> (60 min.)</p> <p>(vote for top three at Exhibit booths)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Cardiovascular Clinical Practice/Case Studies <p>Objectives:</p> <ol style="list-style-type: none"> 1) Assess key diagnostic findings to clinical situations 2) Develop clinical management plan that involves the interprofessional cardiovascular team <ul style="list-style-type: none"> <input type="checkbox"/> Cardiovascular Outcomes Studies/Research <p>Objectives:</p> <ol style="list-style-type: none"> 1) Correlate key diagnostic findings to clinical situations 2) Analyze clinical management strategies in relation to evidence based practices <p>NP/PA resident/fellow presentations</p> <p>(may be DNP capstone or projects in process) (8 min. each with 2 min. question/answers)</p> |

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| 1245-1345 | <p>Lunch / Exhibits / Posters (vote for top three Oral Presentation at Exhibit booths)</p> <p>(Optional groups)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Group 1: Nurse Practitioner Fellowship: Curriculum, Design and Outcomes – moderator: <i>Marci Farquhar-Snow C.N.P. A.A.C.C.</i> <input type="checkbox"/> Group 2: Clinical Practice – moderator: <i>Michelle Alland C.N.P.</i> <input type="checkbox"/> Group 3: Research/Outcomes Studies – moderator: <i>Christen Waddell C.N.P.</i> |
| 1245-1515 | <p>Breakout Session Workgroups (120 min.) (Choose one option; opportunity for another option on Day 1)</p> <p>A. Focused Cardiac Ultrasound <i>Lisa Ellmauer R.C.D.S./Heather Andrus R.C.D.S.</i> (Limit ?)</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1) Identify key cardiac findings using handheld ultrasound 2) Perform hands-on technique of cardiac ultrasound to identify fluid status, pericardial effusion and left ventricular function <p>B. Applied 12-Lead EKG Review <i>Marci Farquhar-Snow C.N.P. A.A.C.C./Jennifer Garrow C.N.P.</i></p> <p>Objectives:</p> <ol style="list-style-type: none"> 1) Analyze clinical significance of EKG electrical deflections to various disease states. 2) Evaluate EKG patterns for presence of ischemia and conduction abnormalities. <p>C. Mechanical Circulatory Assist Devices (MCADs) - <i>Jeff Dobberpuhl R.N.</i> (Limit ?)</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1) Identify indications for various MCADs 2) Perform hands-on clinical simulation on MCADs to recognize key alarms |
| 1515-1530 | <p>Summary– Marci Farquhar-Snow C.N.P. A.A.C.C.(15 min)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Networking groups Recap <input type="checkbox"/> Oral Presentation Winners Announced <input type="checkbox"/> Evaluations |